

What Is Claimed Is:

3               1. A method for reliable delivery of datagram  
4               protocol data unit (PDU) packets generated by a network  
5               oriented application at a first computing network element  
6               to a second computing network element across a network, a  
7               datagram packet typically comprising a data payload, said  
8               method comprising:

9               (a) at said first computing network element,  
10              capturing said generated datagram packets destined for  
11              said second computing network element;

12              (b) determining a size of said payload and  
13              communicating size of said payload to said second  
14              computing element via reliable connection-oriented  
15              transport service PDU;

16              (c) communicating payload to said second  
17              computing element via reliable connection-oriented  
18              transport service PDU; and,

19              (d) at said second computing network element,  
20              utilizing payload size and payload to reconstruct a  
21              datagram PDU including said payload for a network  
22              application at said second computing network element,  
23              whereby reliable datagram PDU transport over said network  
24              is ensured.